

ABSTRACT OF THE DISCLOSURE

A powered toothbrush provides movement of cleaning elements which replicate the preferred method of cleaning teeth, namely up-and-down movement on the surface of the user's teeth. This preferred movement is obtained by translating rotational movement of a motor, first into reciprocation movement within the toothbrush through the interaction of a cam follower and helical tracks, and then translation of the reciprocating movement into oscillating movement of the cleaning elements through a limited arc. The translation of rotational to reciprocating movement is achieved through interaction of a cam follower in a helical track. The translation of reciprocating movement to oscillating movement is achieved through reciprocating movement of a volute through a mating groove in the head of the toothbrush.